

GENE DELIVERY DEVICE AND GENE DELIVERY METHOD

Abstract

5 A gene delivery device for localizing and enhancing the efficacy of gene transfer that provides a contact surface for contacting with a tissue site. By applying a pharmaceutical composition comprising a nucleic acid to a contact surface and contacting the contact surface to a tissue site, a greater than 10-fold increase in transduction efficiency is achieved. In one embodiment of the invention, the device comprises a housing in communication with a contact surface having multiple contact elements, and the pharmaceutical composition is applied to the contact elements through a lumen in the device.